JOURNAL OF TROPICAL PEDIATRICS

VOLUME 47
2001

CONTENTS

EDITORIALS

Page

2 ROLE OF FOLATE IN PREVENTIVE MEDICINE

64 CLINICAL AUDIT AND THE MEASUREMENT OF BLOOD GLUCOSE

128 POLIO ERADICATION, AND AFTER . . .

192 BREASTFEEDING AND HIV TRANSMISSION

256 PROBIOTICS AND INFANT AND CHILD NUTRITION

320 THE DIAGNOSIS AND MANAGEMENT OF EPILEPSY

OCCASIONAL REVIEW

196 THE S549R (T→G) CYSTIC FIBROSIS GENE MUTATION
K.P. Dawson and P. M. Frossard

ORIGINAL PAPERS

5 TUBERCULOUS GRANULOMAS IN CHILDHOOD TUBERCULOUS MENINGITIS: RADIOLOGICAL FEATURES AND COURSE
A. Ravenscroft, J. F. Schoeman and P. R. Donald

13 INFLUENCE OF CONSANGUINITY AND IgE RECEPTOR GENOTYPES ON CLINICAL MANIFESTATIONS OF ASTHMA IN KUWAITI CHILDREN
Z. Hijazi and M. Z. Haider

17 LOW BIRTHWEIGHT AT A PAPUA NEW GUINEA HIGHLANDS HOSPITAL
H. R. Peters, J. D. Vince and H. Friesen

24 SAFETY AND IMMUNOGENICITY OF COMBINED OR ASSOCIATED ADMINISTRATION OF PRP-T VACCINE WITH DIPHTHERIA, TETANUS AND PERTUSSIS VACCINE IN THAI CHILDREN
S. Lolekha, A. Hiranchote and S. Simaathien

30 PERINATAL OUTCOME IN AN OBSTETRIC COHORT OF MOZAMBICAN WOMEN
N. B. Osman, K. Challis, M. Cotiro, G. Nordahl and S. Bergström

39 VITAMIN E ADMINISTRATION AND REVERSAL OF NEUROLOGICAL DEFICITS IN PROTEIN-ENERGY MALNUTRITION
V. Kalra, J. K. Grover, G. K. Ahuja, S. Rathi, S. Gulati and N. Kalra

46 A PROSPECTIVE STUDY OF NOSOCOMIAL ENTERIC PATHOGEN ACQUISITION IN HOSPITALIZED CHILDREN IN SOUTH INDIA
C. N. Kamalaratnam, G. Kang, C. Kirubakaran, D. Prasanna Rajan, D. J. Daniel, M. M. Mathan and V. I. Mathan

67 IMPACT OF β-CAROTENE SUPPLEMENTATION THROUGH RED PALM OIL
Y. S. Sivan, Y. A. Jayakumar, C. Arumughan, A. Sundaresan, C. Balachandran, J. Job, S. S. Deepa, S. L. Shihina, M. Damodaran, C. R. Soman, V. R. Kutty and P. S. Sarma

73 ECHOCARDIOGRAPHIC CHARACTERISTICS OF PATIENTS WITH SICKLE CELL ANAEMIA IN SERGIPE, BRAZIL
R. Cipolotti, G. B. Costa, W. H. C. Lima, R. P. Franco, E. V. Mello, A. L. Dal Fabbro, R. Q. Gurgel and L. E. Cuevas

77 ENDOSCOPIC AND HISTOPATHOLOGICAL EVALUATION OF PRESCHOOL CHILDREN WITH CHRONIC DIARRHOEA
O. P. Mishra, T. Dhawan, P. N. Singla, V. K. Dixit, N. C. Arya and G. Nath

81 DETERMINATION OF HEAVY METAL CONTENTS IN HUMAN COLOSTRUM SAMPLES BY ELECTROTHERMAL ATOMIC ABSORPTION SPECTROPHOTOMETRY
S. Turan, Ş. Saygı, Z. Kılıç and O. Acar

86 RISK FACTORS ASSOCIATED WITH DEATH IN CHILDREN ADMITTED TO A PAEDIATRIC INTENSIVE CARE UNIT
R. C. de Freitas Aragão, M. de Fátima P. M. Albuquerque, M. J. Gonçalves de Mello and R. A. A. Ximenes

92 BIOELECTRICAL IMPEDANCE ANALYSIS OF THE BODY COMPOSITION OF NIGERIAN CHILDREN WITH CALCIUM-DEFICIENCY RICKETS
D. J. VanderJagt, M. Morales, T. D. Thacher, M. Diaz and R. H. Glew

98 NEONATAL MORBIDITY AND CARE-SEEKING BEHAVIOUR IN RURAL BANGLADESH
S. Ahmed, F. Sobhan, A. Islam and Barkat-e-Khuda

132 THE EFFECT OF IRON SUPPLEMENTATION ON VISUAL-EVOKED POTENTIALS IN INFANTS WITH IRON-DEFICIENCY ANEMIA
S. Ü. Sarici, V. Okutan, M. R. Dündaröz, A. M. Serdar, R. Akin, G. Deda and E. Gökçay

136 A COMPARATIVE STUDY OF HAEMATOLOGICAL PARAMETERS IN CHILDREN SUFFERING FROM SICKLE CELL ANAEMIA (SCA) FROM DIFFERENT REGIONS OF SAUDI ARABIA
M. A. F. El-Hazmi and A. S. Warsy

142 RISK FACTORS OF CHILDHOOD ASTHMA: A SRI LANKAN STUDY
K. A. W. Karunasekera, J. A. C. T. Jayasinghe and L. W. G. R. Alwis

146 GROWTH PARAMETERS AND ENDOCRINE FUNCTION IN RELATION TO ECHOCARDIOGRAPHIC PARAMETERS IN CHILDREN WITH VENTRICULAR SEPTAL DEFECT WITHOUT HEART FAILURE
A. T. Soliman, A. Madkour, M. A. Galil, M. El Zalabany, S. M. Aziz and B. M. Ansari

153 TUBERCULOSIS (PRESUMED CONGENITAL) IN A NEONATAL UNIT IN DAR-ES-SALAAM, TANZANIA
K. P. Manji, G. Msemo, B. Tamim and E. Thomas

156 SPECIFIC IgA DETECTION CAN BE USED FOR PERINATAL DIAGNOSIS OF HIV IN CHILDREN UNDER PROTOCOL ACTG 076
A. Ceballos, D. Liberatore, M. Biglione, M. de los Angeles Pando, L. M. Peralta and M. M. Avila

160 TEN-YEAR EXPERIENCE WITH PAEDIATRIC LYMPH NODE TUBERCULOSIS IN PORT MORESBY
P. McMaster, N. Ezeilo, H. Freisen, N. Pomat and J. D. Vince

165 COMPARISON OF CHLOROQUINE WITH ARTESUNATE IN THE TREATMENT OF CEREBRAL MALARIA IN GHANAIAN CHILDREN
B. Q. Goka, V. Adabayeri, E. Ofori-Adjei, B. Quarshie, G. Asare-Odei, B. D. Akanmori, J. Kurtzhals, D. Ofore-Adjei and J. Neequaye
170 A COMPARISON OF BRAIN, CORE AND SKIN TEMPERATURE IN CHILDREN WITH COMPLICATED AND UNCOMPLICATED MALARIA
F. Esamai, S. Mining, P. Forsberg and D. H. Lewis
199 MODERATE IMMUNIZATION COVERAGE LEVELS IN EAST DELHI: IMPLICATIONS FOR DISEASE CONTROL PROGRAMMES AND INTRODUCTION OF NEW VACCINES
J. Sokhey, D. C. Jain, A. K. Harit and A. C. Dhariwal
204 SINGLE SMALL ENHANCING COMPUTED TOMOGRAPHIC LESION IN INDIAN CHILDREN – I: EVOLUTION OF CURRENT CONCEPTS
P. D. Singhi and A. K. Baranwal
208 THROMBOCYTOPOENIA AS MARKER FOR HIV EXPOSURE IN THE NEONATE
W. Roux, C. Pieper and M. Cotton
211 SERUM C-REACTIVE PROTEIN CONCENTRATIONS IN MALAYSIAN CHILDREN WITH ENTERIC FEVER
K. E. Choo, T. M. E. Davis, R. L. Henry and L. P. Chan
215 POSTNATAL ZIDOVUDINE IN PREVENTION OF VERTICAL HIV-1 TRANSMISSION IN A SERVICE SETTING
H. Rabie, C. H. Pieper, B. Robson and M. F. Cotton
220 HEPATITIS B – A MAJOR THREAT TO CHILDHOOD SURVIVORS OF LEUKAEMIA/LYMPHOMA
E. Willers, L. Webber, R. Delport and M. Kruger
226 COMPARISON OF SAFETY OF GLUCOSE ORAL REHYDRATION SOLUTION AND MAIZE ORAL REHYDRATION THERAPY FOR HOME MANAGEMENT OF DIARRHOEA IN KENYA
P. R. Kenya, J. N. Muttunga, H. Mwenesi, A. M. Molla, A. Bari, R. Juma, B. Were, A. Molla and P. N. Sharma
230 TREATMENT OF CHILDHOOD FEVERS AND OTHER ILLNESSES IN THREE RURAL NIGERIAN COMMUNITIES
L. A. Salako, W. R. Brieger, B. M. Afolabi, R. E. Umeh, P. U. Agomo, A. K. Adeneye, B. O. Nwankwo and C. O. Akinlade
239 THE PREVALENCE OF HEPATITIS B, HEPATITIS C AND HUMAN IMMUNE DEFICIENCY VIRUS MARKERS IN MULTI-TRANSFUSED PATIENTS
M. Al-Sheyyab, A. Batieha and M. El-Khateeb
260 THE EVALUATION OF NON-SPECIFIC CELLULAR IMMUNOLOGICAL PARAMETERS AMONGST CHILDREN WITH *SCHISTOSOMA HAEMATOBIUM* INFECTION IN NIGERIA
N. C. D. Ukwandu, O. P. G. Nmorsi, G. K. Oyahkire, S. C. Nwaosu, I. A. Adebayo and C. O. Elemuwa
266 SINGLE SMALL ENHANCING COMPUTED TOMOGRAPHIC LESIONS IN INDIAN CHILDREN – II. CLINICAL FEATURES, PATHOLOGY, RADIOLOGY AND MANAGEMENT
P. D. Singhi and A. K. Baranwal
271 ANEMIA OF PERSISTENT MALARIAL PARASITEMIA IN NIGERIAN CHILDREN
H. U. Okafor and O. Nwaiwu
276 SERIAL CHEST RADIOGRAPHS IN THE MANAGEMENT OF CHILDREN WITH A CLINICAL SUSPICION OF PULMONARY TUBERCULOSIS
H. N. Kisembo, M. G. Kawooya, G. Zirembuzi and A. Okwera
284 OXIDATIVE STRESS IS NOT ENHANCED IN NON-MALNOURISHED INFANTS WITH PERSISTENT DIARRHEA
E. Granot, M. Binsztok, D. Fraser, R. J. Deckelbaum and Z. Weizman
288 IMMUNODIAGNOSIS OF PNEUMOCOCCAL MENINGITIS USING DOT-ENZYME-LINKED IMMUNOSORBENT ASSAY
H. I. Z. Requejo, M. das Graças, A. Alkmin and I. M. Landgraf
291 A TWO-CENTRE COLLABORATIVE STUDY ON CLINICO-EPIDEMIOLOGICAL PROFILE OF A RECENT OUTBREAK OF EPIDEMIC DROPSY IN NEW DELHI (INDIA) WITH SPECIAL EMPHASIS ON ITS CARDIAC MANIFESTATIONS IN PEDIATRIC PATIENTS
K. C. Aggarwal, M. S. Prasad, R. N. Salhan, D. Yadav, N. Pandit, P. C. Goyal and M. Garg
295 CORRELATION BETWEEN CLINICAL DIAGNOSES AT THE TIME OF DEATH AND AUTOPSY FINDINGS IN CRITICALLY SICK NEONATES AT A REGIONAL NEONATAL INTENSIVE CARE UNIT IN INDIA
N. S. Kabra and R. H. Udani
323 THE VALIDATION OF DEVELOPMENTAL SCREENING INVENTORY (DSI) ON NIGERIAN CHILDREN
O. F. Aina and O. Morakinyo
329 EXCLUSIVE BREASTFEEDING AND INFANT GROWTH STUDIES: REFERENCE STANDARDS FOR HEAD CIRCUMFERENCE, LENGTH AND MID-ARM CIRCUMFERENCE/HEAD CIRCUMFERENCE RATIO FOR THE FIRST 6 MONTHS OF LIFE
C. O. Eregie
335 IMPACT OF MULTIPLE DOSE MEASLES VACCINATION ON MEASLES TRANSMISSION PATTERNS IN GWERU, ZIMBABWE
T. Marufu and S. Siziya
339 INCREASED FECAL IgE AMONG INFANTS IN A RURAL COMMUNITY OF EGYPT: AN ANALYSIS OF ASSOCIATED RISK FACTORS
M. A. Mahmud, G. D. Marshall Jr, M. Moshaddeque Hossain, D. B. Huang, M. Habib and H. L. DuPont
345 DETERMINATION OF THE EFFECTIVENESS OF INACTIVATION OF HUMAN IMMUNODEFICIENCY VIRUS BY PRETORIA PASTEURIZATION
B. S. Jeffery, L. Webber, K. R. Mokhondo and D. Erasmus
350 ASSESSING POTENTIAL RISK FACTORS FOR CHILD MALNUTRITION IN RURAL KERALA, INDIA
U. Sanghvi, K. R. Thankappan, P. Sankara Sarma and N. Sali
356 BACTEREMIA IN CHILDREN: ETIOLOGIC AGENTS, FOCAL SITES, AND RISK FACTORS
L. F. Nimri, M. Rawashdeh and M. M. Meqdam

BRIEF REPORTS

50 MULTIPLE DOSE IVIG TREATMENT IN NEONATAL IMMUNE HEMOLYTIC JAUNDICE
G. Tanyer, Z. Şiklar, Y. Dallar, Y. Yildirmak and U. Tiraş.
54 EPIDEMIOLOGIC AND CLINICAL CHARACTERISTICS OF KAWASAKI DISEASE IN SHAANXI PROVINCE, CHINA, 1993-1997
F. Jiao, L. Yang, Y. Li, J. Qiao, X. Guo, T. Zhang, T. Kawasaki, T. Sonobe and H. Yanagawa

57 LUNG FUNCTION TESTS IN ASTHMA: WHICH INDICES ARE BETTER FOR ASSESSMENT OF SEVERITY?
V. H. Ratageri, S. K. Kabra, R. Lodha, S. N. Dwivedi and V. Seth
106 PSYCHIATRIC MORBIDITY IN A COMMUNITY SAMPLE OF ARAB CHILDREN WITH ASTHMA
H. Swadi
108 OUTCOME OF CARDIOPULMONARY RESUSCITATION IN HOSPITALIZED AFRICAN CHILDREN
M. Yung, K. Browne-Yung and K. Marsh
110 HETEROGENEITY OF THE CYSTIC FIBROSIS PHENOTYPE IN A LARGE KINDRED FAMILY IN QATAR WITH CYSTIC FIBROSIS MUTATION (I1234V)
A. A. Wahab, G. Al Thani, S. T. Dawod, M. Kambouris and M. Al Hamed
176 COMPARATIVE CLINICAL TRIAL OF MEBENDAZOLE AND METRONIDAZOLE IN GIARDIASIS OF CHILDREN
S. M. Sadjjadi, A. W. Alborzi and H. Mostovfi
179 MOTHER'S WORKING STATUS AND NUTRITIONAL STATUS OF CHILDREN UNDER THE AGE OF 5 IN URBAN LOW-INCOME COMMUNITY, SURABAYA, INDONESIA
N. Toyama, S. Wakai, Y. Nakamura and A. Arifin
181 EVALUATION OF SERUM CHOLESTEROL AND TRIGLYCERIDE LEVELS IN 1–6-YEAR-OLD SAUDI CHILDREN
M. A. F. El-Hazmi and A. S. Warsy
243 LONG-TERM NEUROLOGICAL OUTCOME OF ACUTE ENCEPHALITIS
A. D. Aygün, N. Kabakuş, İ. Çelik, M Turgut, T. Yoldaş, U. Gök and R. Güler
301 BACTERIAL AETIOLOGY AND ANTI-MICROBIAL RESISTANCE OF CHILDHOOD DIARRHOEA IN YEMEN
S. M. Banajeh, N. H. S. Ba-oum and R. M. N. Al-Sanabani
303 HBS ANTIGEN IN CHILDREN WITH SUSPICION OF HIV INFECTION
B. Nacro, B. Dao and H. Dahourou
304 BREASTFEEDING PATTERNS IN FUJAIRAH, UNITED ARAB EMIRATES
N. M. Sharief, S. Margolis and T. Townsend
307 VITAMIN A AND NEONATAL ANTHROPOMETRY
P. H. C. Rondó, R. Abbott and A. M. Tomkins
361 PREDICTORS OF FEBRILE SEIZURE: A MATCHED CASE-CONTROL STUDY
A. K. Gururaj, A. Bener, E. E. K. Al-Suweidi, H. M. K. Al-Tatari and A. El Khadir
363 CLINICAL CHARACTERISTICS OF RESPIRATORY SYNCYTIAL VIRUS INFECTION IN HOSPITALIZED HEALTHY INFANTS AND YOUNG CHILDREN IN QATAR
A. Abdul Wahab, S. T. Dawod and H. M. Abdul Raman
367 COMPARISON OF RESULTS OF SKIN PRICK TESTS, ENZYME-LINKED IMMUNOSORBENT ASSAYS AND FOOD CHALLENGES IN CHILDREN WITH RESPIRATORY ALLERGY
J. Sharman, L. Kumar and S. Singh
369 CHANGING ANTIBIOTIC SENSITIVITY IN ENTERIC FEVER
A. Gupta, N. Kumar Swarnkar and S. Prabha Choudhary

CASE REPORTS

113 TRANSIENT PSEUDOHYPOPARATHYROIDISM AND NEONATAL SEIZURE
S. Manzar
115 TYPE II GAUCHER DISEASE: COMPOUND HETEROZYGOTE WITH *RecNciI* AND L444P MUTATIONS
Y. S. Lee, L. K. S. Poh, H. Ida and K .Y. Loke
248 BRAIN ABSCESS FOLLOWING MASTITIS IN A 3-MONTH-OLD INFANT
S. Manzar
250 PERIPHERAL GANGRENE COMPLICATING *SALMONELLI TYPHI* SEPTICAEMIA IN A GAMBIAN INFANT
B. J. Okoko, M. O. C. Ota, J. O. Arowolo and H. C. Whittle
311 OSTEOMYELITIS CAUSED BY *PARACOCCIDIOIDES BRASILIENSIS* IN A CHILD FROM THE METROPOLITAN AREA OF RIO DE JANEIRO
S. A. Nogueira, A. L. Guedes, B. Wanke, S. Capella, K. Rodrigues, T. F. Abreu, J. C. Morais and J. S. Lambert
372 UNUSUAL PRESENTATION OF GALACTOSEMIA IN A 4-MONTH-OLD CHILD
J. V. Gnanou, V. G. Thykadavil and S. Uthappa

RESEARCH LETTERS

60 CO-TRIMOXAZOLE RESISTANT *BRUCELLA*
R. M. Bannatyne, M. Rich and Z. A. Memish
60 COMPARISON STUDY OF THE IMMUNOGENICITY OF DIFFERENT TYPES AND DOSAGES OF RECOMBINANT HEPATITIS B VACCINE IN HEALTHY NEONATES
M. Alikaşifoğlu, F. Çullu, T. Kutlu, A. Arvas, Y. Taştan, E. Erginöz, A. Kaypmaz and G. Tümay
118 PARTIAL EXCHANGE TRANSFUSION AS AN ADJUNCT TO THE TREATMENT OF SEVERE *FALCIPARUM* MALARIA IN CHILDREN
S. J. Rego, S. D. Subba Rao, A. Hejmadi and S. Rekha
119 HIV SEROPREVALENCE BY ELISA IN HIGH RISK INDIAN CHILDREN AND THEIR PRESENTATION
P. V. Havaldar and M. Patil
120 SERUM INTERLEUKIN-2 AND INTERLEUKIN-6 LEVELS IN ZINC DEFICIENCY
T. Sipahi, N. Akar, N. Dinçer, Y. Eğin and Ş. Cin
122 PLASMA ZINC LEVELS IN PATIENTS WITH IRON-DEFICIENCY ANEMIA
T. Sipahi, N. Akar, N. Dinçer and Ş. Cin

123 *HELICOBACTER PYLORI* SEROPOSITIVITY IN CHILDREN WITH DIABETES MELLITUS TYPE 1
M. Çoker, Ş. Can, S. Darcan, Z. Orbak, S. Aydoğdu and R. V. Yağci
124 SCREENING OF HEMOGLOBINOPATHIES IN KAHRAMANMARAŞ PROVINCE (TURKEY) SITUATED IN A HIGH PREVALENCE AREA
G. T. Yüregir, M. Kilinç, H. Ekerbiçer, N. Bilaloğlu and N. Tekin
186 URINARY FREE DEOXYPYRIDINOLINE ASSESSMENT IN RECOGNITION OF RICKETS
H. Soylu, S. Aras, N. O. Kutlu, M. Eğri and S. Sazak
187 RE-EMERGENCE OF VISCERAL LEISCHMANIASIS: IMPORTANT DIAGNOSTIC FEATURES
A. Meral, B. Sevinir and U. Gunay
188 PREVALENCE OF EPILEPSY IN 3637 CHILDREN OF PRIMARY SCHOOL AGE IN THE PROVINCE OF MALATYA, TURKEY
H. Karabiber, C. Yakinci, Y. Durmaz, O. Kutlu and H. Soylu
252 CIPROFLOXACIN SUSCEPTIBLE *SALMONELLA TYPHI* WITH TREATMENT FAILURE
P. Dutta, U. Mitra, S. Datta, M. R. Saha, A. De, K. Roy, M, Basak and S. K. Bhattacharya
253 THE BURDEN OF PNEUMONIA AMONG CHILDREN
C. M. C. Nascimento-Carvalho, A. A. Lopes, M. D. B. S. Gomes, M. P. Magalhães, J. R. Oliveira, A. L. Vilas-Boas, H. Rocha and Y. Benguigui
316 COMPARISON OF LYTIC COCKTAIL, CHLORAL HYDRATE AND MIDAZOLAM FOR PEDIATRIC SEDATION
H. Çaksen, A. Üner, Y. Cesur, M. Abuhandan, V. Çelebi and Ş. Şar
374 URINARY TRACT INFECTION IN CHILDREN DUE TO DRUG-RESISTANT BACTERIA – A STUDY FROM SOUTH INDIA
E. Suman and K. G. Bhat
376 REFERENCE CHARTS FOR ARM, CHEST AND HEAD CIRCUMFERENCES OF SOUTH IRANIAN INFANTS
S. M. T. Ayatollahi

NEWS FROM THE REGIONS

379 UPPER RESPIRATORY INFECTION IN ACUTE PEDIATRIC CARE IN INTERNAL CONFLICT, KOSOVO, 1999
M. Morikawa

BOOK REVIEW

126 EXPERIMENTS – PLANNING, ANALYSIS AND PARAMETER DESIGN OPTIMIZATION
C. F. J. Wu and M. Hamada